

ABSTRACT OF THE DISCLOSURE

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3 The present invention is directed to a zeolite Y catalyst having a controlled
4 macropore structure. The present invention is also directed to a zeolite Y
5 catalyst composite and a process for preparing the catalyst composite. The
6 catalyst composite exhibits reduced deactivation rates during the alkylation
7 process, thereby increasing the life of the catalyst. The present invention is
8 also directed to processes for the preparation of carbonated, overbased
9 aromatic sulfonates, which processes comprise alkylation, carbonation of
10 aromatic hydrocarbons with one or more olefins.